

5'	10	19	28	37	46	55
GACG CCG CCA CCT CCG GAA CAA GCC ATG GTG GCG GCG ACG GTG GCA GCG GCG TGG			M V A A T V A A A W			
	64	73	82	91	100	109
CTG CTC CTG TGG GCT GCG GCC TGC GCG CAG CAG GAG CAG GAC TTC TAC GAC TTC						
L L W A A A C A Q Q E Q D F Y D F						
	118	127	136	145	154	163
AAG GCG GTC AAC ATC CCG GCG GGC AAA CTG GTG TCG CTG GAG AAG TAC CGC GGA TCG						
K A V N I R G K L V S L E K Y R G S						
	172	181	190	199	208	217
GTG TCC CTG GTG GTG AAT GTG GCC AGC GAG TGC GGC TTC ACA GAC CAC CAC TAC						
V S L V V N V A S E C G F T D Q H Y						
	226	235	244	253	262	271
CGA GCC CTG CAG CAG CTG CAG CGA GAC CTG GCG CCC CAC CAC CAC TTC AAC GTG CTC						
R A L Q Q L Q R D L G P H H F N V L						
	280	289	298	307	316	325
GCC TTC CCC TGC AAC CAG TTT GGC CAA CAG GAG CCT GAC AGC AAC AAG GAG ATT						
A F P C N Q Q F G Q Q E P D S N K E I						
	334	343	352	361	370	379
GAG AGC TTT GCC TGC CGC ACC TAC AGT GTC TCA TTC CCC ATG TTT AGC AAG ATT						
E S F A C R T Y S V S F P M F S K I						

FIGURE 1A

388	GCA GTC ACC GGT ACT GGT GCC CAT CCT GGC TTC AAG TAC CTG GCC CAG ACT TCT	433
	A V T G T G A H P A F K Y L A Q T S	
397		415
406		424
442	GGG AAG GAG CCC ACC TGG AAC TTC TGG AAG TAC CTA GTA GCC CCA GAT GGA AAG	487
	G K E P T W N F W K Y L V A P D G K	
451		469
460		478
496	GTG GTA GGG GGT TGG GAC CCA ACT GTG TCA GTG GAG GAG GTC AGA CTC CAG ATC	541
	V G A W D P T V S V E E V R L Q I	
505		523
514		532
550	ACA GCG CTC GTG AGG AAG CTC ATC CTA CTG AAG CGA GAA GAC TTA TAA CCA CCG	595
	T A L V R K L I L L K R E D L	
559		577
568		586
604	CGT CTC CTC CAC CAC CTC ATC CCG CCC ACC TGT GTG GGG CTG ACC AAT GCA	649
		631
613		622
667		676
658	AAC TCA AAT GGT GCT TCA AAG GGA GAG ACC CAC TGA CTC TCC TTC CTT TAC TCT	703
		685
712	TAT GCC ATT GGT CCC CC ATC ATT CTT GTG GGG GAA AAA TTC TAG TAT TTT GAT TAT	757
		721
		730
		739
		748



766	775	784	793	802	811
TTG AAT CTT ACA GCA ACA AAT AGG AAC TCC TGG CCA ATG AGA GCT CTT GAC CAG					
820	829	838	847	856	865
TGA ATC ACC AGC CGA TAC GAA CGT CTT GCC AAC AAA AAT GTG TGG CAA ATA GAA					
874	883	892	901	910	919
GTA TAT CAA GCA ATA ATC TCC CAC CCA AGG CTT CTG TAA ACT GGG ACC AAT GAT					
928	937	946	955	964	973
TAC CTC ATA GGG CTG TTG TGA GGA TTA GGA TGA AAT ACC TGT GAA AGT GCC TAG					
982	991	1000	1009	1018	1027
GCA GTG CCA GCC AAA TAG GAG GCA TTC AAT GAA CAT TTT TTG CAT ATA AAC CAA					
1036	1045	1054	1063	1072	
AAA ATA ACT TGT TAT CAA TAA AAA CTT GCA TCC AAC ATG AAT TTC 3'					

FIGURE 1C

1	M V A A T V A A W L L L W A A C A Q Q E Q D F Y D F K A	1817518
1	M C A S R - - D D W - - - - R C A R S M H E F - - - S A	GI 544432
31	V N I R G K L V S L E K Y R G S V S L V V N V A S E C G F T	1817518
20	K D I D G H M V N L D K Y R G F V C I V T N V A S Q C G K T	GI 544432
61	D Q H Y R A L Q Q L Q R D L G P H F N V L A F P C N Q F G	1817518
50	E V N Y T Q L V D L H A R Y A E C G L R I L A F P C N Q F G	GI 544432
91	Q Q E P D S N K E I E S F A C R T Y S V S F P M F S K I A V	1817518
80	K Q E P G S N E E I K E F A A - G Y N V K F D M F S K I C V	GI 544432
121	T G T G A H P A F K Y L A - Q T S G K E P - - - - T W N F	1817518
109	N G D D A H P L W K W M K I Q P K G K G I L G N A I K W N F	GI 544432
145	W K Y L V A P D G K V V G A W D P T V S V E E V R L Q I T A	1817518
139	T K F L I D K N G C V V K R Y G P - - - M E E P L V I E K D	GI 544432
175	L V R K L I L L K R E D L	1817518
166	L P H Y F	GI 544432

FIGURE 2